Sample Price List for High-Speed Optical Cable Contracting



Overview

Discover the cost of fiber optic cable in this pricing guide. Learn material prices, installation factors, and what impacts total project costs overall.

Key Takeaways

Contracting high-speed fiber optic cable typically costs between $0. 60 and $7 per foot, with total project costs ranging from a few thousand to over $14,000 depending on cable type, installation method, and project complexity.

Material Costs

Fiber optic cable prices vary by type and specifications: Single-mode fiber: $0. 10–$0. 50 per meter for outdoor cable; cheaper per foot than multimode but requires precise splicing and equipment.

Multimode fiber (OM1/OM2/OM3/OM4/OM5): $0. 10–$0. 60 per meter; suitable for shorter runs and indoor applications.

Armored or direct-burial cable: $0. 30–$1. 00 per meter; adds protection for harsh environments.

Aerial/self-supporting cable: $0. 40–$1. 50 per meter; requires pole attachment and permits.

Bulk purchases reduce per-foot cost by ~20% compared to smaller reels.

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Installation Costs

Installation is a major cost driver, influenced by method and labor: Open trench (lawn/field): $0. 90–$1. 80 per foot; fastest and lowest cost.

Directional boring (road crossings): $3. 00–$7. 00 per foot; avoids surface disruption.

Aerial installation: $1. 20–$2. 50 per foot; requires permits.

Indoor plenum/riser: $0. 80–$1. 70 per foot; includes fire-rated pathways.

Labor, splicing, termination, and testing dominate the installed cost.

Project Examples

Basic indoor run (1,000 ft, single-mode): Cable $0. 40/ft, labor $1. 00/ft, permits $150, accessories $100; total ≈ $2,650–$3,100.

Mid-range outdoor run (2,000 ft, conduit, 4 terminations): Total ≈ $4,940–$6,120. Premium outdoor run (5,000 ft, armored cable, multiple splices, professional testing): Total ≈ $11,000–$14,500.

Factors Affecting Cost

Fiber count and cable construction: More strands or armored construction increase cost. Jacket material and environmental rating: LSZH, UV-resistant, or flame-retardant jackets add 25–40% to cost. Distance and terrain: Longer runs, underground installation, or difficult terrain increase labor and equipment costs.

Regional labor and permit rates: Urban areas may be 12–25% higher than national averages; rural areas may be lower. Connector type and pre-termination: Factory-terminated cables cost more but reduce field labor.

Summary

The cost to contract high-speed optical cable depends on cable type, installation method, distance, and project complexity. For small indoor projects, expect a few thousand dollars, while large outdoor or armored installations can exceed $14,000. Bulk purchases, careful planning, and choosing the appropriate fiber type can optimize costs and long-term performance.

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*Please provide pricing to meet the following detailed Fiber splice, test and acceptance & documentation package requirements (High quality Splicing is of paramount importance):

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